

Title (en)

Underframe end of a railway freight car comprising a bogie centre coupling element

Title (de)

Ende des Untergestellrahmens eines Eisenbahngüterwagens mit einem Abstützungselement für den Drehgestellzapfen

Title (fr)

Extrémité de châssis de wagon de marchandises avec élément d'appui pour le pivot du bogie

Publication

EP 1125816 A1 20010822 (EN)

Application

EP 01660022 A 20010201

Priority

FI 20000307 A 20000214

Abstract (en)

The invention relates to an end for a railway wagon frame (1) propped on a bogie centre. The wagon frame comprises longitudinal side beams (10) and end structures (23), as well as a top beam (24). The frame end is provided with a coupling element (12) for a bogie centre and at least a substantially continuous bottom panel (2) for constituting a section of a load-bearing floor (26) in a cargo space. The frame end further comprises a backing plate (3), disposed at a vertical distance (H1) below the bottom panel, and a lateral crosswise web plate (4) which is attached both to the bottom panel and to the backing plate. From an end plate (11) of the frame to an area (A1) of the bogie centre coupling element extend two lengthwise web plates (5 and 6) which are attached both to the bottom panel and to the backing plate. This results in bracing joists, in which the bottom panel and the backing plate function as flanges and the web plates as webs. <IMAGE>

IPC 1-7

B61F 1/10

IPC 8 full level

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CPC (source: EP)

B61F 1/10 (2013.01)

Citation (search report)

- [A] EP 0526894 A1 19930210 - GRAAFF GMBH [DE]
- [A] EP 0329551 A1 19890823 - ARBEL FAUVET RAIL SA [FR]
- [A] FR 2755417 A1 19980507 - REMOISE DE MATERIEL FERROVIAIR [FR]
- [A] US 1801332 A 19310421 - WERNER CLASEN CLAUS J, et al

Cited by

WO2012037952A1; CN109969214A; DE102016007415B3; CN103221290A; DE10301273A1; US8166888B2; WO2015032593A1; US9290188B2; WO2019119500A1; EP2619063B1

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